**синусы**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **градусы** | **0′**  **→** | **10′** | | **20′** | | **30′** | | | **40′** | | **50′** | | **60′** |  | **поправки** | | | | | | | | |
| **1′** | **2′** | **3′** | **4′** | **5′** | **6′** | **7′** | **8′** | **9′** |
| **↓0** | **0,0000** | **0,0029** | | **0,0058** | | **0,0087** | | | **0,0116** | | **0,0145** | | **0,0175** | **89** | **3** | **6** | **9** | **12** | **15** | **17** | **20** | **23** | **26** |
| **1** | **0,0175** | **0,0204** | | **0,0233** | | **0,0262** | | | **0,0291** | | **0,0320** | | **0,0349** | **88** | **3** | **6** | **9** | **12** | **15** | **17** | **20** | **23** | **26** |
| **2** | **0,0349** | **0,0378** | | **0,0407** | | **0,0436** | | | **0,0465** | | **0,0494** | | **0,0523** | **87** | **3** | **6** | **9** | **12** | **15** | **17** | **20** | **23** | **26** |
| **3** | **0,0523** | **0,0552** | | **0,0581** | | **0,0610** | | | **0,0640** | | **0,0669** | | **0,0698** | **86** | **3** | **6** | **9** | **12** | **15** | **17** | **20** | **23** | **26** |
| **4** | **0,0698** | **0,0727** | | **0,0756** | | **0,0785** | | | **0,0814** | | **0,0843** | | **0,0872** | **85** | **3** | **6** | **9** | **12** | **15** | **17** | **20** | **23** | **26** |
|  |  |  | |  | |  | | |  | |  | |  |  |  |  |  |  |  |  |  |  |  |
| **5** | **0,0872** | **0,0901** | | **0,0929** | | **0,0958** | | | **0,0987** | | **0,1016** | | **0,1045** | **84** | **3** | **6** | **9** | **12** | **14** | **17** | **20** | **23** | **26** |
| **6** | **0,1045** | **0,1074** | | **0,1103** | | **0,1132** | | | **0,1161** | | **0,1190** | | **0,1219** | **83** | **3** | **6** | **9** | **12** | **14** | **17** | **20** | **23** | **26** |
| **7** | **0,1219** | **0,1248** | | **0,1276** | | **0,1305** | | | **0,1334** | | **0,1363** | | **0,1392** | **82** | **3** | **6** | **9** | **12** | **14** | **17** | **20** | **23** | **26** |
| **8** | **0,1392** | **0,1421** | | **0,1449** | | **0,1478** | | | **0,1507** | | **0,1536** | | **0,1564** | **81** | **3** | **6** | **9** | **12** | **14** | **17** | **20** | **23** | **26** |
| **9** | **0,1564** | **0,1593** | | **0,1622** | | **0,1650** | | | **0,1679** | | **0,1708** | | **0,1736** | **80** | **3** | **6** | **9** | **12** | **14** | **17** | **20** | **23** | **26** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **10** | **0,1736** | **0,1765** | | **0,1794** | | **0,1822** | | | **0,1851** | | **0,1880** | | **0,1908** | **79** | **3** | **6** | **9** | **11** | **14** | **17** | **20** | **23** | **26** |
| **11** | **0,1908** | **0,1937** | | **0,1965** | | **0,1994** | | | **0,2022** | | **0,2051** | | **0,2079** | **78** | **3** | **6** | **9** | **11** | **14** | **17** | **20** | **23** | **26** |
| **12** | **0,2079** | **0,2108** | | **0,2136** | | **0,2164** | | | **0,2193** | | **0,2221** | | **0,2250** | **77** | **3** | **6** | **9** | **11** | **14** | **17** | **20** | **23** | **26** |
| **13** | **0,2250** | **0,2278** | | **0,2306** | | **0,2334** | | | **0,2363** | | **0,2391** | | **0,2419** | **76** | **3** | **6** | **8** | **11** | **14** | **17** | **20** | **23** | **25** |
| **14** | **0,2419** | **0,2447** | | **0,2476** | | **0,2504** | | | **0,2532** | | **0,2560** | | **0,2588** | **75** | **3** | **6** | **8** | **11** | **14** | **17** | **20** | **23** | **25** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **15** | **0,2588** | | **0,2616** | | **0,2644** | | **0,2672** | **0,2700** | | **0,2728** | | **0,2756** | | **74** | **3** | **6** | **8** | **11** | **14** | **17** | **20** | **22** | **25** |
| **16** | **0,2756** | | **0,2784** | | **0,2812** | | **0,2840** | **0,2868** | | **0,2896** | | **0,2924** | | **73** | **3** | **6** | **8** | **11** | **14** | **17** | **20** | **22** | **25** |
| **17** | **0,2924** | | **0,2952** | | **0,2979** | | **0,3007** | **0,3035** | | **0,3062** | | **0,3090** | | **72** | **3** | **6** | **8** | **11** | **14** | **17** | **19** | **22** | **25** |
| **18** | **0,3090** | | **0,3118** | | **0,3145** | | **0,3173** | **0,3201** | | **0,3228** | | **0,3256** | | **71** | **3** | **6** | **8** | **11** | **14** | **17** | **19** | **22** | **25** |
| **19** | **0,3256** | | **0,3283** | | **0,3311** | | **0,3338** | **0,3365** | | **0,3393** | | **0,3420** | | **70** | **3** | **5** | **8** | **11** | **14** | **16** | **19** | **22** | **25** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **20** | **0,3420** | | **0,3448** | | **0,3475** | | **0,3502** | **0,3529** | | **0,3557** | | **0,3584** | | **69** | **3** | **5** | **8** | **11** | **14** | **16** | **19** | **22** | **25** |
| **21** | **0,3584** | | **0,3611** | | **0,3638** | | **0,3665** | **0,3692** | | **0,3719** | | **0,3746** | | **68** | **3** | **5** | **8** | **11** | **14** | **16** | **19** | **22** | **24** |
| **22** | **0,3746** | | **0,3773** | | **0,3800** | | **0,3827** | **0,3854** | | **0,3881** | | **0,3907** | | **67** | **3** | **5** | **8** | **11** | **13** | **16** | **19** | **22** | **24** |
| **23** | **0,3907** | | **0,3934** | | **0,3961** | | **0,3987** | **0,4014** | | **0,4041** | | **0,4067** | | **66** | **3** | **5** | **8** | **11** | **13** | **16** | **19** | **21** | **24** |
| **24** | **0,4067** | | **0,4094** | | **0,4120** | | **0,4147** | **0,4173** | | **0,4200** | | **0,4226** | | **65** | **3** | **5** | **8** | **11** | **13** | **16** | **19** | **21** | **24** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **25** | **0,4226** | | **0,4253** | | **0,4279** | | **0,4305** | **0,4331** | | **0,4358** | | **0,4384** | | **64** | **3** | **5** | **8** | **10** | **13** | **16** | **18** | **21** | **24** |
| **26** | **0,4384** | | **0,4410** | | **0,4463** | | **0,4462** | **0,4488** | | **0,4514** | | **0,4540** | | **63** | **3** | **5** | **8** | **10** | **13** | **16** | **18** | **21** | **23** |
| **27** | **0,4540** | | **0,4566** | | **0,4592** | | **0,4617** | **0,4643** | | **0,4669** | | **0,4695** | | **62** | **3** | **5** | **8** | **10** | **13** | **15** | **18** | **21** | **23** |
| **28** | **0,4695** | | **0,4720** | | **0,4746** | | **0,4772** | **0,4797** | | **0,4823** | | **0,4848** | | **61** | **3** | **5** | **8** | **10** | **13** | **15** | **18** | **20** | **23** |
| **29** | **0,4848** | | **0,4874** | | **0,4899** | | **0,4924** | **0,4950** | | **0,4975** | | **0,5000** | | **60** | **3** | **5** | **8** | **10** | **13** | **15** | **18** | **20** | **23** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **30** | **0,5000** | | **0,5025** | | **0,5050** | | **0,5075** | **0,5100** | | **0,5125** | | **0,5150** | | **59** | **3** | **5** | **8** | **10** | **13** | **15** | **18** | **20** | **23** |
| **31** | **0,5150** | | **0,5175** | | **0,5200** | | **0,5225** | **0,5250** | | **0,5275** | | **0,5299** | | **58** | **2** | **5** | **7** | **10** | **12** | **15** | **17** | **20** | **22** |
| **32** | **0,5299** | | **05324** | | **0,5348** | | **0,5373** | **0,5398** | | **0,5422** | | **0,5446** | | **57** | **2** | **5** | **7** | **10** | **12** | **15** | **17** | **20** | **22** |
| **33** | **0,5446** | | **0,5471** | | **0,5495** | | **0,5519** | **0,5544** | | **0,5568** | | **0,5592** | | **56** | **2** | **5** | **7** | **10** | **12** | **15** | **17** | **19** | **22** |
| **34** | **0,5592** | | **0,5616** | | **0,5640** | | **0,5664** | **0,5688** | | **0,5712** | | **0,5736** | | **55** | **2** | **5** | **7** | **10** | **12** | **14** | **17** | **19** | **22** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| **35** | **0,5736** | | **0,5760** | | **0,5783** | | **0,5807** | **0,5831** | | **0,5854** | | **0,5878** | | **54** | **2** | **5** | **7** | **9** | **12** | **14** | **17** | **19** | **21** |
| **36** | **0,5878** | | **0,5901** | | **0,5925** | | **0,5948** | **0,5972** | | **0,5995** | | **0,6018** | | **53** | **2** | **5** | **7** | **9** | **12** | **14** | **16** | **19** | **21** |
| **37** | **0,6018** | | **0,6041** | | **0,6065** | | **0,6088** | **0,6111** | | **0,6134** | | **0,6157** | | **52** | **2** | **5** | **7** | **9** | **12** | **14** | **16** | **18** | **21** |
| **38** | **0,6157** | | **0,6180** | | **0,6202** | | **0,6225** | **0,6248** | | **0,6271** | | **0,6293** | | **51** | **2** | **5** | **7** | **9** | **11** | **14** | **16** | **18** | **20** |
| **39** | **0,6293** | | **0,6316** | | **0,6338** | | **0,6361** | **0,6383** | | **0,6406** | | **0,6428** | | **↑50** | **2** | **4** | **7** | **9** | **11** | **13** | **16** | **18** | **20** |
|  | | | | | | | | | | | | | | | | | | | | | | | |
|  | **60′** | | **50′** | | **40′** | | **30′** | **20′** | | **10′** | | **0′**  **←** | | **градусы** | **1′** | **2′** | **3′** | **4′** | **5′** | **6′** | **7′** | **8′** | **9′** |
| **поправки** | | | | | | | | |

**КОСИНУСЫ**

**СИНУСЫ**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **градусы** | **0′**  **→** | **10′** | **20′** | **30′** | **40′** | **50′** | **60′** |  | **поправки** | | | | | | | | |
| **1′** | **2′** | **3′** | **4′** | **5′** | **6′** | **7′** | **8′** | **9′** |
| **↓40** | **0,6428** | **0,6450** | **0,6472** | **0,6494** | **0,6517** | **0,6539** | **0,6561** | **49** | **2** | **4** | **7** | **9** | **11** | **13** | **15** | **18** | **20** |
| **41** | **0,6561** | **0,6583** | **0,6604** | **0,6626** | **0,6648** | **0,6670** | **0,6691** | **48** | **2** | **4** | **7** | **9** | **11** | **13** | **15** | **17** | **20** |
| **42** | **0,6691** | **0,6713** | **0,6734** | **0,6756** | **0,6777** | **0,6799** | **0,6820** | **47** | **2** | **4** | **6** | **9** | **11** | **13** | **15** | **17** | **19** |
| **43** | **0,6820** | **0,6841** | **0,6862** | **0,6884** | **0,6905** | **0,6926** | **0,6947** | **46** | **2** | **4** | **6** | **9** | **11** | **13** | **15** | **17** | **19** |
| **44** | **0,6947** | **0,6967** | **0,6988** | **0,7009** | **0,7030** | **0,7050** | **0,7071** | **45** | **2** | **4** | **6** | **9** | **10** | **12** | **15** | **17** | **19** |
|  | | | | | | | | | | | | | | | | | |
| **45** | **0,7071** | **0,7092** | **0,7112** | **0,7133** | **0,7153** | **0,7173** | **0,7193** | **44** | **2** | **4** | **6** | **8** | **10** | **12** | **14** | **16** | **18** |
| **46** | **0,7193** | **0,7214** | **0,7234** | **0,7254** | **0,7274** | **0,7294** | **0,7314** | **43** | **2** | **4** | **6** | **8** | **10** | **12** | **14** | **16** | **18** |
| **47** | **0,7314** | **0,7333** | **0,7353** | **0,7373** | **0,7392** | **0,7412** | **0,7431** | **42** | **2** | **4** | **6** | **8** | **10** | **12** | **14** | **16** | **18** |
| **48** | **0,7431** | **0,7451** | **0,7470** | **0,7490** | **0,7509** | **0,7528** | **0,7547** | **41** | **2** | **4** | **6** | **8** | **10** | **12** | **14** | **15** | **17** |
| **49** | **0,7547** | **0,7566** | **0,7585** | **0,7604** | **0,7623** | **0,7642** | **0,7660** | **40** | **2** | **4** | **6** | **8** | **9** | **11** | **13** | **15** | **17** |
|  | | | | | | | | | | | | | | | | | |
| **50** | **0,7660** | **0,7679** | **0,7698** | **0,7716** | **0,7735** | **0,7753** | **0,7771** | **39** | **2** | **4** | **6** | **7** | **9** | **11** | **13** | **15** | **17** |
| **51** | **0,7771** | **0,7790** | **0,7808** | **0,7826** | **0,7844** | **0,7862** | **0,7880** | **38** | **2** | **4** | **5** | **7** | **9** | **11** | **13** | **15** | **17** |
| **52** | **0,7880** | **0,7898** | **0,7916** | **0,7934** | **0,7951** | **0,7969** | **0,7986** | **37** | **2** | **4** | **5** | **7** | **9** | **11** | **12** | **14** | **16** |
| **53** | **0,7986** | **0,8004** | **0,8021** | **0,8039** | **0,8056** | **0,8073** | **0,8090** | **36** | **2** | **3** | **5** | **7** | **9** | **10** | **12** | **14** | **16** |
| **54** | **0,8090** | **0,8107** | **0,8124** | **0,8141** | **0,8158** | **0,8175** | **0,8192** | **35** | **2** | **3** | **5** | **7** | **8** | **10** | **12** | **13** | **15** |
|  | | | | | | | | | | | | | | | | | |
| **55** | **0,8192** | **0,8208** | **0,8225** | **0,8241** | **0,8258** | **0,8274** | **0,8290** | **34** | **2** | **3** | **5** | **7** | **8** | **10** | **12** | **13** | **15** |
| **56** | **0,8290** | **0,8307** | **0,8323** | **0,8339** | **0,8355** | **0,8371** | **0,8387** | **33** | **2** | **3** | **5** | **6** | **8** | **10** | **11** | **13** | **14** |
| **57** | **0,8387** | **0,8403** | **0,8418** | **0,8434** | **0,8450** | **0,8465** | **0,8480** | **32** | **2** | **3** | **5** | **6** | **8** | **9** | **11** | **13** | **14** |
| **58** | **0,8480** | **0,8496** | **0,8511** | **0,8526** | **0,8542** | **0,8557** | **0,8572** | **31** | **2** | **3** | **5** | **6** | **8** | **9** | **11** | **12** | **14** |
| **59** | **0,8572** | **0,8587** | **0,8601** | **0,8616** | **0,8631** | **0,8646** | **0,8660** | **30** | **1** | **3** | **4** | **6** | **7** | **9** | **10** | **12** | **13** |
|  | | | | | | | | | | | | | | | | | |
| **60** | **0,8660** | **0,8675** | **0,8689** | **0,8704** | **0,8718** | **0,8732** | **0,8746** | **29** | **1** | **3** | **4** | **6** | **7** | **9** | **10** | **11** | **13** |
| **61** | **0,8746** | **0,8760** | **0,8774** | **0,8788** | **0,8802** | **0,8816** | **0,8829** | **28** | **1** | **3** | **4** | **6** | **7** | **8** | **10** | **11** | **13** |
| **62** | **0,8829** | **0,8843** | **0,8857** | **0,8870** | **0,8884** | **0,8897** | **0,8910** | **27** | **1** | **3** | **4** | **5** | **7** | **8** | **9** | **11** | **12** |
| **63** | **0,8910** | **0,8923** | **0,8936** | **0,8949** | **0,8962** | **0,8975** | **0,8988** | **26** | **1** | **3** | **4** | **5** | **6** | **8** | **9** | **10** | **12** |
| **64** | **0,8988** | **0,9001** | **0,9013** | **0,9026** | **0,9038** | **0,9051** | **0,9063** | **25** | **1** | **3** | **4** | **5** | **6** | **8** | **9** | **10** | **11** |
|  | | | | | | | | | | | | | | | | | |
| **65** | **0,9063** | **0,9075** | **0,9088** | **0,9100** | **0,9112** | **0,9124** | **0,9135** | **24** | **1** | **2** | **4** | **5** | **6** | **7** | **8** | **10** | **11** |
| **66** | **0,9135** | **0,9147** | **0,9159** | **0,9171** | **0,9182** | **0,9194** | **0,9205** | **23** | **1** | **2** | **3** | **5** | **6** | **7** | **8** | **9** | **10** |
| **67** | **0,9205** | **0,9216** | **9228** | **0,9239** | **0,9250** | **0,9261** | **0,9272** | **22** | **1** | **2** | **3** | **4** | **6** | **7** | **8** | **9** | **10** |
| **68** | **0,9272** | **0,9283** | **0,9293** | **0,9304** | **0,9315** | **0,9325** | **0,9336** | **21** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **9** | **10** |
| **69** | **0,9336** | **0,9346** | **0,9356** | **0,9367** | **0,9377** | **0,9387** | **0,9397** | **20** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
|  | | | | | | | | | | | | | | | | | |
| **70** | **0,9397** | **0,9407** | **0,9417** | **0,9426** | **0,9436** | **0,9446** | **0,9455** | **19** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **71** | **0,9455** | **0,9465** | **0,9474** | **0,9483** | **0,9492** | **0,9502** | **0,9511** | **18** | **1** | **2** | **3** | **4** | **5** | **6** | **6** | **7** | **8** |
| **72** | **0,9511** | **0,9520** | **0,9528** | **0,9537** | **0,9546** | **0,9555** | **0,9563** | **17** | **1** | **2** | **3** | **3** | **4** | **5** | **6** | **7** | **8** |
| **73** | **0,9563** | **0,9572** | **0,9580** | **0,9588** | **0,9596** | **0,9605** | **0,9613** | **16** | **1** | **2** | **2** | **3** | **4** | **5** | **6** | **7** | **7** |
| **74** | **0,9613** | **0,9621** | **0,9628** | **0,9636** | **0,9644** | **0,9652** | **0,9659** | **15** | **1** | **2** | **2** | **3** | **4** | **5** | **5** | **6** | **7** |
|  | | | | | | | | | | | | | | | | | |
| **75** | **0,9659** | **0,9667** | **0,9674** | **0,9681** | **0,9689** | **0,9696** | **0,9703** | **14** | **1** | **1** | **2** | **3** | **4** | **4** | **5** | **6** | **7** |
| **76** | **0,9703** | **0,9710** | **0,9717** | **0,9724** | **0,9730** | **0,9737** | **0,9744** | **13** | **1** | **1** | **2** | **3** | **3** | **4** | **5** | **5** | **6** |
| **77** | **0,9744** | **0,9750** | **0,9757** | **0,9763** | **0,9769** | **0,9775** | **0,9781** | **12** | **1** | **1** | **2** | **3** | **3** | **4** | **4** | **5** | **6** |
| **78** | **0,9781** | **0,9787** | **0,9793** | **0,9799** | **0,9805** | **0,9811** | **0,9816** | **11** | **1** | **1** | **2** | **2** | **3** | **3** | **4** | **5** | **5** |
| **79** | **0,9816** | **0,9822** | **0,9827** | **0,9833** | **0,9838** | **0,9843** | **0,9848** | **↑10** | **1** | **1** | **2** | **2** | **3** | **3** | **4** | **4** | **5** |
|  | | | | | | | | | | | | | | | | | |
|  | **60′** | **50′** | **40′** | **30′** | **20′** | **10′** | **0′**  **←** | **градусы** | **1′** | **2′** | **3′** | **4′** | **5′** | **6′** | **7′** | **8′** | **9′** |

КОСИНУСЫ

**СИНУСЫ**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **градусы** | **0′**  **→** | **10′** | **20′** | **30′** | **40′** | **50′** | **60′** |  | **ПОПРАВКИ** | | | | | | | | |
| **1′** | **2′** | **3′** | **4′** | **5′** | **6′** | **7′** | **8′** | **9′** |
| **↓80** | **0,9848** | **0,9853** | **0,9858** | **0,9863** | **0,9868** | **0,9872** | **0,9877** | **9** | **0** | **1** | **1** | **2** | **2** | **3** | **3** | **4** | **4** |
| **81** | **0,9877** | **0,9881** | **0,9886** | **0,9890** | **0,9894** | **0,9899** | **0,9903** | **8** | **0** | **1** | **1** | **2** | **2** | **3** | **3** | **3** | **4** |
| **82** | **0,9903** | **0,9907** | **0,9911** | **0,9914** | **0,9918** | **0,9922** | **0,9925** | **7** | **0** | **1** | **1** | **2** | **2** | **2** | **3** | **3** | **3** |
| **83** | **0,9925** | **0,9929** | **0,9932** | **0,9936** | **0,9939** | **0,9942** | **0,9945** | **6** | **0** | **1** | **1** | **1** | **2** | **2** | **2** | **3** | **3** |
| **84** | **0,9945** | **0,9948** | **0,9951** | **0,9954** | **0,9957** | **0,9959** | **0,9962** | **5** | **0** | **1** | **1** | **1** | **1** | **2** | **2** | **2** | **2** |
|  | | | | | | | | | | | | | | | | | |
| **85** | **0,9962** | **0,9964** | **0,9967** | **0,9969** | **0,9971** | **0,9974** | **0,9976** | **4** | **0** | **0** | **1** | **1** | **1** | **1** | **2** | **2** | **2** |
| **86** | **0,9976** | **0,9978** | **0,9980** | **0,9981** | **0,9983** | **0,9985** | **0,9986** | **3** | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **1** | **2** |
| **87** | **0,9986** | **0,9988** | **0,9989** | **0,9990** | **0,9992** | **0,9993** | **0,9994** | **2** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **1** |
| **88** | **0,9994** | **0,9995** | **0,9996** | **0,9997** | **0,9997** | **0,9998** | **0,9998** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **1** |
| **89** | **0,9998** | **0,9999** | **0,9999** | **1,0000** | **1,0000** | **1,0000** | **1,0000** | **↑0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
|  | | | | | | | | | | | | | | | | | |
|  | **60′** | **50′** | **40′** | **30′** | **20′** | **10′** | **0′**  **←** | **градусы** | **1′** | **2′** | **3′** | **4′** | **5′** | **6′** | **7′** | **8′** | **9′** |
| **ПОПРАВКИ** | | | | | | | | |

**КОСИНУСЫ**