Math worksheet on *'Trigonometry - Calculating Angles from Ratio Decimals and Trig Identities (Level 1)'*. Part of a broader unit on *'Trigonometry - Solving Triangles - Intro'*

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1 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.743$$

a 32 deg	**b** 22 deg
c 42 deg	**d** 27 deg
e 57 deg	**f** 52 deg

2 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.669$$

a 53 deg	**b** 58 deg
c 33 deg	**d** 48 deg
e 43 deg	**f** 38 deg

3 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.485$$

a 34 deg	**b** 19 deg
c 44 deg	**d** 29 deg
e 39 deg	**f** 9 deg

4 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{adj} = 8.144$$

a 73 deg	**b** 93 deg
c 88 deg	**d** 103 deg
e 83 deg	**f** 78 deg

5 What angle (in degrees) has this ratio of sides?

$$\frac{opp}{hyp} = 0.866$$

a 75 deg	**b** 45 deg
c 65 deg	**d** 60 deg
e 80 deg	**f** 55 deg

6 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.616$$

a 47 deg	**b** 32 deg
c 52 deg	**d** 57 deg
e 67 deg	**f** 72 deg

7 What angle (in degrees) has this ratio of sides?

$$\frac{adj}{hyp} = 0.921$$

a 13 deg	**b** 33 deg
c 43 deg	**d** 23 deg
e 38 deg	**f** 8 deg

