Math worksheet on *'Trigonometry - Calculating Angles from Ratio Fractions and Trig Identities (Level 1)'*. Part of a broader unit on *'Trigonometry Fundamentals - Practice'*

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

$$\frac{opp}{hyp} = \frac{8}{12.45}$$

a	35 deg	**b**	60 deg
c	40 deg	**d**	45 deg
e	55 deg	**f**	20 deg

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

$$\frac{opp}{hyp} = \frac{8}{12.99}$$

a	33 deg	**b**	58 deg
c	28 deg	**d**	43 deg
e	38 deg	**f**	23 deg

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

$$\frac{adj}{hyp} = \frac{6}{7.83}$$

a	25 deg	**b**	30 deg
c	40 deg	**d**	55 deg
e	20 deg	**f**	50 deg

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

$$\frac{opp}{hyp} = \frac{7}{8}$$

a	81 deg	**b**	61 deg
c	46 deg	**d**	51 deg
e	41 deg	**f**	66 deg

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

$$\frac{opp}{hyp} = \frac{3}{3.28}$$

a	56 deg	**b**	46 deg
c	66 deg	**d**	61 deg
e	51 deg	**f**	86 deg

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

$$\frac{opp}{hyp} = \frac{8}{23.39}$$

a	10 deg	**b**	0 deg
c	20 deg	**d**	5 deg
e	15 deg	**f**	40 deg

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

$$\frac{opp}{adj} = \frac{80.01}{7}$$

a	80 deg	**b**	105 deg
c	75 deg	**d**	85 deg
e	90 deg	**f**	100 deg