# Answers to 11.4 HW –
## Using Trig Functions to Find Missing Side Lengths and Other Functions

1) $\sin \theta = \frac{40}{41}$, $\cos \theta = \frac{9}{41}$, $\theta = 77.3°$

3) $\cos \theta = \frac{9}{41}$, $\tan \frac{12}{35}$ $\theta = 18.9°$

5) 9.6

7) 8.1

9) 11.1

11) 9.6

13) 17.1 1

5) 3.6