

# Practice Assessment (1) - full solutions.

1.  $(4, -5)$   $(7, 4)$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{4 - (-5)}{7 - 4} = \frac{9}{3} = 3 \quad \checkmark$$

$$y - b = m(x - a)$$

$$y - 4 = 3(x - 7)$$

$$y - 4 = 3x - 21$$

$$y = 3x - 17$$

$$\underline{3x - y - 17 = 0} \quad \checkmark$$

2.  $m = \tan \theta$

$$= \tan 42^\circ \quad \checkmark$$

$$= 0.900 \quad \checkmark$$

3 a)  $y = \frac{3}{4}x - 2$

$$m = \frac{3}{4} \quad \checkmark$$

b)  $-\frac{4}{3} \quad \checkmark$

