

**SM3H 9.6 odd answers**

1.  $x \approx 95.1 \text{ N}$

3. Magnitude = 5.1 lb, angle between the forces =  $74.5^\circ$   
with no rounding until the end

5. The force Sisyphus exerts on rock = 1368.1 lbs.

7. ground speed = 241.9 mph, bearing =  $97.1^\circ$

9. ground speed = 242.0 mph, bearing =  $226.3^\circ$

11.  $3\sqrt{2} + 3\sqrt{2}i$

13.  $\langle -5\sqrt{3}, 5 \rangle$

15.  $\langle -8, 4 \rangle, 4\sqrt{5}, 153.4^\circ$

17. 2,  $30^\circ$