

**Key:**

1. 375

2. 48 min

3. (3, 0)

4. 16/31

5.  $9\sqrt{3}$

6. 3

7. \$4.95

8. 4

9. 280

10.  $6\sqrt{6} - 6\sqrt{2}$  or  $6(\sqrt{6} - \sqrt{2})$