<u>Workshop Exercises:</u> Optimization
<u>Solutions:</u>

1. $\frac{4\sqrt{3}}{3} \times \frac{8}{3}$

2. 9 inches $\times$ 18 inches

3. $r = 3$ inches, $h = 4$ inches

4. 2 miles from A

5. a) $\frac{27}{9+4\sqrt{3}}$ feet for the triangle,

$\frac{12\sqrt{3}}{9+4\sqrt{3}}$ feet for the square.

b) all for the square

6. $17