

Precalculus
2.2 Homework
Odd Answers

1. a) $R(x) = -\frac{1}{5}x^2 + 80x$

b) $[0, 400]$ units

c) \$6000

d) 200 units; \$8000

e) \$40

3. a) $A(w) = 270w - w^2$

b) $w = 135$ yds

c) 18,225 yds²

d) $A(w) = 540w - 2w^2$

e) $w = 135$ yds

f) 36,450 yds²

5. 18.75 meters

7. Dimensions: radius: 2.52 feet, length (diameter): 5.04 feet, height: 2.52 feet
Maximum area: 22.68 square feet