

Page 156

1. a) 1.94 b) 0.4
 c) 2.68 d) 0.71
2. a) 3.33
 b) 1.66

Page 157

3. 6.71
4. 2.08
5. a) 22.97 *units*
 b) Calculate the length of a side using the distance formula; this is the base length.
 Determine the equation for the base.
 Determine the distance from the third vertex to the base using the distance from a point to a line formula; this is the triangle's height.
 Calculate the area of the triangle: $(\text{base} \times \text{height}) \div 2$.
6. a) $ABCD$ is a trapezoid because sides AD and BC are parallel (same slope = 0.33...).
 b) 17,22 *units*
 c) $16.5 u^2$
7. 11.66