

Answers:

1. A.
2. E.
3. E.
4.  $\frac{xy^3}{2}$
5. a.  $x^2y(4x^2 + 9)(2x + 3)(2x - 3)$   
b.  $3(x^2 - 5)(x + 2)$
6.  $\frac{(x - 3)^2}{x - 5}$
7.  $\frac{11}{8}$
8. length = 90.5 ft.  
width = 28.5 ft.
9. 3.7 mph