

- 7 (a) (iii)
 (b) (i)
 (c) (ii)
 (d) (iv)
 (e) (vi)
 (f) (v)
- 9 (b) $f(x) = -x(x - 2)$
- 11 (a) $y = (1/x) - 3$
 (b) $y = (-3x + 1)/x$
 (c) $(1/3, 0)$
- 13 (a) $y = 1/(x - 1) + 2$
 (b) $y = (2x - 1)/(x - 1)$
 (c) $(1/2, 0)$ and $(0, 1)$
- 15 (a) $y = 1/(x - 2)^2 - 1$
 (b) $y =$
 $(-x^2 + 4x - 3)/(x^2 - 4x + 4)$
 (c) $(0, -3/4)$, $(1, 0)$ and $(3, 0)$
- 17 $p = 1$, $(0, 11/3)$, $(11/4, 0)$
 $x = 3$, $y = 4$
- 19 $p = 1$, $(0, 3)$, $(3/2, 0)$
 $x = 1$, $y = 2$
- 21 (a) $1/x$
 (b) $y = (1/x) + 2$
- 23 (a) $y = 1/x$
 (b) $y = x/(2x - 4)$
- 25 $y = -(x + 1)/(x - 2)$
- 27 $y = x/((x + 2)(x - 3))$
- 29 $y = -(x - 3)(x + 2)/((x + 1)(x - 2))$
- 31 $y = (x - 2)/((x + 1)(x - 1))$
- 33 $g(x) = (x - 5)/((x + 2)(x - 3))$