

$$\frac{\quad}{19 + 1} = \frac{\quad}{20}$$

1. Solve for x.

[3]

a) $(x - 5)(x + 2) = 0$

b) $-3x(x + 1) = 0$

c) $(3x - 1)(2x + 5) = 0$

2. Solve.

[13]

a) $x^2 + 8x + 15 = 0$

b) $8x^2 - 12x = 0$

c) $9x^2 - 4 = 0$

d) $6x^2 - 5x = 4$

e) $5x(2x - 1) = 3x + 3(x - 1)$

3. Solve. Round to 2 decimal places.

[6]

a) $-3(x - 5)^2 + 12 = 0$

b) $0 = 2(x - 1)^2 - 10$