

HW - 4 extra quadratic equations

Solve by isolating the squared term

$$(a) \quad \frac{1}{3}(4x-3)^2 + 5 = 32 \qquad x = 3 \text{ or } -\frac{3}{2}$$

$$(b) \quad 4(2x+7)^2 - 90 = 70 \qquad x = -\frac{7}{2} \pm \sqrt{10}$$

$$(c) \quad \frac{3}{2}(3x-9)^2 + 19 = 100 \qquad x = 3 \pm \sqrt{6}$$

$$(d) \quad \frac{3}{4}(6x-8)^2 - 12 = 24 \qquad x = \frac{4}{3} \pm \frac{2\sqrt{3}}{3}$$