

$$1) 2x^2 - 6x + 8 = 0$$

$$(2x - 7) = 0 \quad (x - 1) = 0$$

$$x = \frac{7}{2}$$

$$x = 1$$

$$x = 3.5$$

$$2) 12x^2 + 5x = 7$$

$$12x^2 + 5x - 7 = 0$$

$$x = \frac{-5 \pm \sqrt{5^2 - 4(12)(-7)}}{2(12)}$$

$$x = \frac{-5 \pm \sqrt{361}}{24}$$

$$x = \frac{-5 + \sqrt{361}}{24}$$

$$x = \frac{-5 - \sqrt{361}}{24}$$

$$x = \frac{7}{12}$$

$$x = -1$$