氏名　（　　　　　　　　　　　　）　　　点数　_____

(1) $x^2 - 16 = 0$
$$x^2 = 16$$
$$\underline{x = \pm 4}$$

(2) $x^2 + 6 = 12$
$$x^2 = 6$$
$$\underline{x = \pm\sqrt{6}}$$

(3) $49x^2 = 36$
$$x^2 = \frac{36}{49}$$
$$\underline{x = \pm\frac{6}{7}}$$

(4) $4x^2 - 17 = 31$
$$4x^2 = 48$$
$$x^2 = 12$$
$$\underline{x = \pm 2\sqrt{3}}$$

(5) $(x-3)^2 = 5$
$$x - 3 = \pm\sqrt{5}$$
$$\underline{x = 3 \pm \sqrt{5}}$$

(6) $4(x-2)^2 = 16$
$$(x-2)^2 = 4$$
$$x - 2 = \pm 2$$
$$x = 2 \pm 2$$
$$x = 2+2, 2-2$$
$$\underline{x = 4, 0}$$

(7) $(x+4)^2 = 36$
$$x + 4 = \pm 6$$
$$x = -4 \pm 6$$
$$x = -4+6, -4-6$$
$$\underline{x = 2, -10}$$

(8) $(x-5)^2 - 18 = 0$
$$(x-5)^2 = 18$$
$$x - 5 = \pm 3\sqrt{2}$$
$$\underline{x = 5 \pm 3\sqrt{2}}$$

(9) $5(x-1)^2 - 4 = 0$
$$5(x-1)^2 = 4$$
$$(x-1)^2 = \frac{4}{5}$$
$$x - 1 = \pm\frac{2}{\sqrt{5}}$$
$$\underline{x = 1 \pm \frac{2\sqrt{5}}{5}}$$

(10) $(3x-4)^2 = 5$
$$3x - 4 = \pm\sqrt{5}$$
$$3x = 4 \pm \sqrt{5}$$
$$\underline{x = \frac{4 \pm \sqrt{5}}{3}}$$

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