

$$3x^2 + 10 = -26$$

$$\frac{3x^2}{3} = \frac{-36}{3}$$

$$x^2 = -12$$

$$x = \pm \sqrt{-12}$$

$$x = \pm 2i\sqrt{3}$$

$$\sqrt{-1} = i$$

$$\sqrt{-36} = \sqrt{36} \cdot \sqrt{-1}$$

$$= \pm 6i$$

$$\sqrt{12} = 2\sqrt{3}$$

$$\sqrt{-5} = i\sqrt{5}$$

Dec 6-1:55 PM

$$(4-i) + (3+2i)$$

$$4-i+3+2i$$

$$7+i \leftarrow \text{Standard form}$$

$$-x+2x = x$$

$$(7-5i) - (1-5i)$$

$$7-5i-1+5i$$

$$6$$

$$6 - (-2+9i) + (-8+4i)$$

$$6+2-9i-8+4i$$

$$-8-9i-8+4i$$

$$-5i$$

$$(2+3i)(-6-2i)$$

$$-12-4i-18i-6i^2$$

$$-12-22i-6i^2$$

$$-12-22i-6(-1)$$

$$-12-22i+6$$

$$-6-22i$$

$$(i^2) = (i^2)^2$$

$$i = i^3$$

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$$5i(-2+i) = -10i + 5i^2$$

$$-10i + 5(-1)$$

$$-10i - 5$$

$$-5 - 10i$$

$$(7-4i)(1+2i)$$

$$-7+14i+4i-8i^2$$

$$-7+18i-8(-1)$$

$$-7+18i+8$$

$$1+18i$$

Pg 277
#18-26 even
44-54 even

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