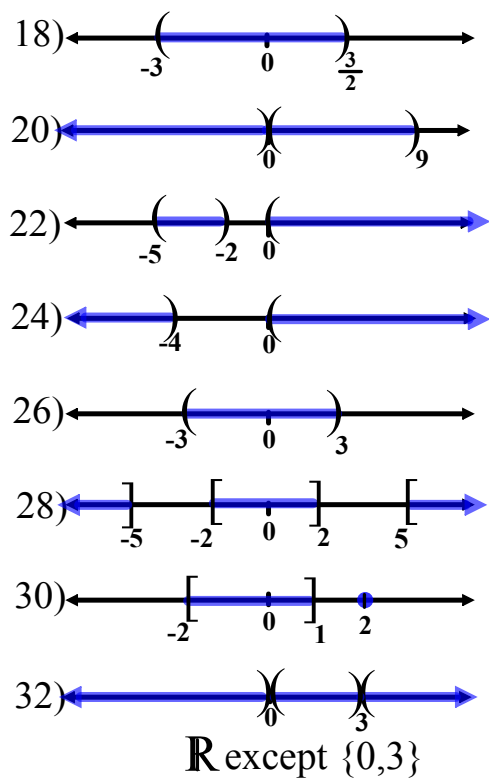
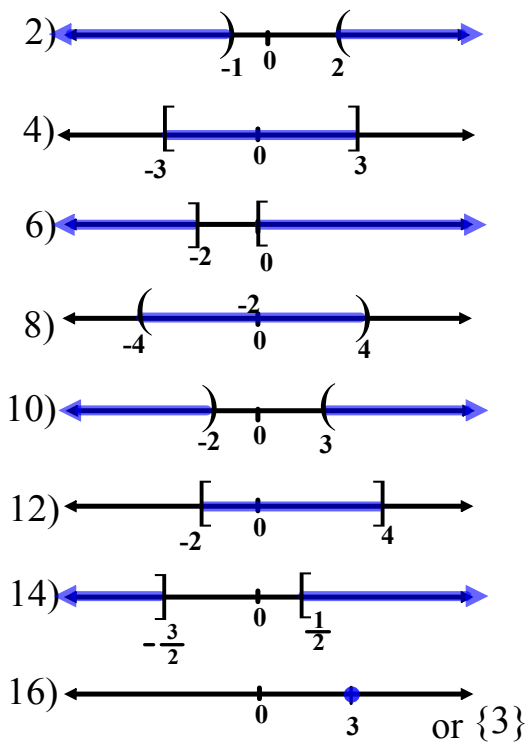


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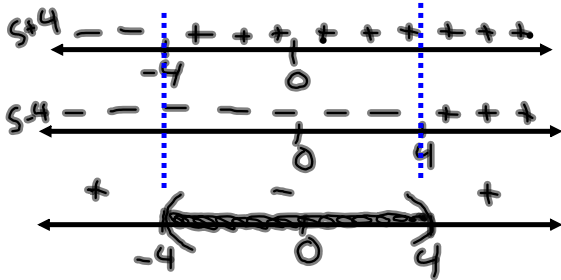
$$8) 3s^2 < 48$$

$$3s^2 - 48 < 0$$

$$3(s^2 - 16) < 0$$

$$3(s+4)(s-4) < 0$$

negative



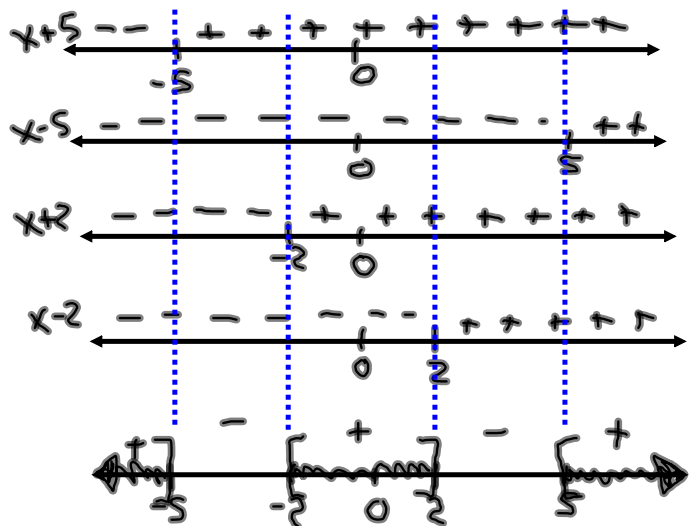
$$28) x^4 + 100 \geq 29x^2$$

$$x^4 - 29x^2 + 100 \geq 0$$

$$(x^2 - 25)(x^2 - 4) \geq 0$$

$$(x+5)(x-5)(x+2)(x-2) \geq 0$$

positive



$$32) \quad x^2(x^2+9) > 6x^3$$

$$x^4 + 9x^2 > 6x^3$$

$$x^4 - 6x^3 + 9x^2 > 0$$

$$x^2(x^2 - 6x + 9) > 0$$

$$x^2(x-3)(x-3) > 0 \quad \text{positive}$$

