





18. Define the operation, "
$$\star$$
", on real numbers as $a \star b = \frac{a+b}{2}$.
Evaluate the following $((x-2)\star(x+4)) \star (x+7)$.
(a) $x+3$ (b) $x+3.5$ (c) $3x+9$ (d) $3x+4$ (e) $x+4$
19. Define the operation, " \star ", as in problem 29 and solve for x in terms of c .
 $(x-0\star x) \star (x+c) = x \star 2c$.
(a) $\frac{c}{4}$ (b) $\frac{3c}{4}$ (c) $\frac{5c}{4}$ (d) $\frac{7c}{4}$ (e) none of these
20. Fred purchased several digital cameras for a total of \$4,284 and sold each with a 50% mark up on
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10. red purchased several digital cameras for a total of \$4,284 and sold each with a 50% mark up on
10. red purchased several with a total sol to process, and he needed to sell 12 cameras in
10. solve to reak even. What were his profits after he sold all the cameras?
10. $12 \times \frac{1}{p+1}$ (b) $\frac{1+\sqrt{1-4p^2}}{2p}$ (c) $\frac{p+\sqrt{p^2-4}}{2}$ (d) $\frac{p}{1-p}$ (c) none of these
21. $12x \times \frac{1}{x+\frac{1}{x}}$ (b) $\frac{1+\sqrt{1-4p^2}}{2p}$ (c) $\frac{p+\sqrt{p^2-4}}{2}$ (d) $\frac{p}{1-p}$ (c) none of these
22. Find the solution set of $\frac{x^2-4}{x-4} \le 0$.
(a) $\{x|(x \le 2) \cup (x \ge 4)\}$ (b) $\{x|(x \le 2) \cup (x \ge 4)\}$ (c) $\{x|(x \ge 2) \cup (x \ge 4)\}$ (c) $\{x|$







