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Pg 382-383

Start 4:44 - 5:18

rn = Real numbers

- 1 • Domain is all rn
• Range is all rn
- 2 • Domain is all rn except $x = -3$
• Range is all rn except 0
- 3 • Domain is all rn
• Range is $f(x) \geq 0$
- 4 • Domain is all rn
• Range is $f(x) \leq 0$
- 5 • Domain is all rn
• Range is $f(x) \leq 1$
- 6 • Domain is all ? except 3
• Range is all rn

7 B

$$8 A \quad D = 0 \leq h \leq 8 \\ R = 100 \leq f(h) \leq 580$$

$$100 + 60(8) = 100 + 480 = 580$$

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Pg 380-381

Start 4:13 - 4:44

1

$$0.899 \quad C = 254(89-15) \rightarrow 99$$

$$b. \$265 \quad (\approx 250)(255-15) = 265$$

2 a. 5.5 h

$$\begin{array}{r} 425 \\ 60 | 255.00 \\ 240 \ \cancel{\overline{)}} \\ \hline 15.0 \\ 12.0 \end{array}$$

b. 4.25

$$\begin{array}{r} 425 \\ 60 | 255.00 \\ 240 \ \cancel{\overline{)}} \\ \hline 15.0 \\ 12.0 \end{array}$$

- 3 a. plan A
b. plan B

4 B 29.5

$$\begin{array}{r} 322 \\ 292.5 - \\ \hline 29.5 \\ \cancel{29.25} \end{array}$$

8.40

$$\begin{array}{r} 9.75 \\ 30 \times \\ \hline 90 \\ 25 \cancel{2.00} \\ \hline 70 \\ 322 \end{array}$$

5 D

$$J2 = (8.40 \times 40) + 70 = 406 \quad J3 = 180 \cdot \frac{10}{30} = 400$$

6 B

$$\begin{array}{r} 5400 \quad 95000 \\ 14 \times \quad 75600 \\ \hline 75600 \quad 19400 \end{array}$$

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Start: 3:55 - 4:13

1 0 On book

2 41 On book

3 2 $y = 4(-2) + 10$

$$-8 + 10 = 2 \quad y = 2$$

4 40 $y = 2(3)(4+3)-2 \rightarrow y = 6(7)-2 \rightarrow y = 40$

5 23 $y = 2(12)-1 \rightarrow y = 23$

6 -4 $y = \frac{24}{6} - 8 \rightarrow y = -4$

7 31.25 On book

8 -13 On book

9 32 $y = 3(9)+5 \rightarrow y = 27+5 \rightarrow y = 32$

10 -5 $y = (-10-7) + 12 \rightarrow y = -5$

11 B $(2, 5, 2) - 1$

$$50 - 1 = 49$$

12 C $-14, -8, -2, 4, 10, 16$



13 B $5, 00 - .25(n-1)$

$$5, 00 - .25(3) = 4.75$$

14 B $1 = 4(1) - 3$

$$5 = 4(2) - 3$$

$$9 = 4(3) - 3$$

$$13 = 4(4) - 3$$

$$17 = 4(5) - 3$$