

p. 18  
1.2. b

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1. B  
2. J  
3. D  
4. H  
5. D

p. 17  
1.2. a

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• 1. D  
2. H  
3. B  
• 4. ~~F~~ G  
5. A  
6. F

p. 16  
1.1. b

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1. D  
2. G  
3. C  
4. H  
5. D  
6. H  
7. C

p. 15  
1.1. a

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1. C  
2. J  
3. C  
4. F  
5. C  
6. H  
7. B

Steven Krantz

p.15 #2

$$\sqrt[4]{64x^8}$$

$$\sqrt[4]{64} \cdot \sqrt[4]{x^8}$$

$$x^2 \cdot \sqrt[4]{2^6}$$

$$x^2 \cdot 2^{6/4}$$

$$x^2 \cdot 2^{3/2}$$

p.15 #1

$$(-64)^{-\frac{2}{3}}$$

$$\left(\sqrt[3]{-64}\right)^{-2}$$

$$(-4)^{-2}$$

$$\frac{1}{(-4)^2}$$

$$\frac{1}{16}$$

p.17 #2

$$2y^2 + y - 4$$

$$3y+1 \overline{) 6y^3 + 5y^2 - 11y - 4}$$

$$6y^3 + 2y^2$$

$$3y^2 - 11y$$

$$3y^2 + y$$

$$-12y - 4$$

$$-12y - 4$$

0

p.17 #1

$$(x^2 + 5x - 6)(x+1)^{-1}$$

$$\frac{x^2 + 5x - 6}{x+1}$$

$$x+1$$

synthetic.

$$1 \quad 5 \quad -6$$

$$-1 \quad -1 \quad -4$$

$$1 \quad 4 \quad -10$$

$$x+4 - \frac{10}{x+1}$$

p.17 #4

$$\frac{x^3 - 7x - 6}{x - 2}$$

$$\begin{array}{r} 1 \quad 0 \quad -7 \quad -6 \\ 2 \quad \quad 2 \quad 4 \quad -6 \\ \hline 1 \quad 2 \quad -3 \quad -12 \end{array}$$