Factoring Expressions

Name:

Factor each expression completely.

1) $-\frac{12}{40}b - \frac{21}{20} =$ _____

2) $\frac{16}{45}c - \frac{28}{10} =$ _____

3) $-\frac{4}{63}d + \frac{24}{42} =$ _____

4) $\frac{2}{35}e + \frac{8}{35} =$ _____

5) $\frac{15}{42}f - \frac{3}{63} =$ _____

6) $\frac{16}{25}g - \frac{8}{10} =$ _____

7) $\frac{12}{56}h - \frac{14}{49} =$ _____

8) $\frac{3}{12}i - \frac{3}{54} =$ _____

9) $\frac{3}{21}j + \frac{6}{42} =$ _____

10) $\frac{3}{16}k + \frac{3}{48} =$ _____

Answers

1. (b +)
2. (c -)
3. (d -)
4. (e +)
5. (f -)
6. (g -)
7. (h -)
8. (i -)
9. (j +)
10. (k +)

1-10	90	80	70	60	50	40	30	20	10	0

Factoring Expressions Name: **Answer Key**

Factor each expression completely.

1) $-\frac{12}{40}b - \frac{21}{20} = -\frac{3}{20}(\frac{4}{2}b + \frac{7}{1})$

2) $\frac{16}{45}c - \frac{28}{10} = \frac{4}{5}(\frac{4}{9}c - \frac{7}{2})$

3) $-\frac{4}{63}d + \frac{24}{42} = -\frac{4}{21}(\frac{1}{3}d - \frac{6}{2})$

4) $\frac{2}{35}e + \frac{8}{35} = \frac{2}{35}(\frac{1}{1}e + \frac{4}{1})$

5) $\frac{15}{42}f - \frac{3}{63} = \frac{3}{21}(\frac{5}{2}f - \frac{1}{3})$

6) $\frac{16}{25}g - \frac{8}{10} = \frac{8}{5}(\frac{2}{5}g - \frac{1}{2})$

7) $\frac{12}{56}h - \frac{14}{49} = \frac{2}{7}(\frac{6}{8}h - \frac{7}{7})$

8) $\frac{3}{12}i - \frac{3}{54} = \frac{3}{6}(\frac{1}{2}i - \frac{1}{9})$

9) $\frac{3}{21}j + \frac{6}{42} = \frac{3}{21}(\frac{1}{1}j + \frac{2}{2})$

10) $\frac{3}{16}k + \frac{3}{48} = \frac{3}{16}(\frac{1}{1}k + \frac{1}{3})$

Answers

1. $-\frac{3}{20}(\frac{4}{2}b + \frac{7}{1})$
2. $\frac{4}{5}(\frac{4}{9}c - \frac{7}{2})$
3. $-\frac{4}{21}(\frac{1}{3}d - \frac{6}{2})$
4. $\frac{2}{35}(\frac{1}{1}e + \frac{4}{1})$
5. $\frac{3}{21}(\frac{5}{2}f - \frac{1}{3})$
6. $\frac{8}{5}(\frac{2}{5}g - \frac{1}{2})$
7. $\frac{2}{7}(\frac{6}{8}h - \frac{7}{7})$
8. $\frac{3}{6}(\frac{1}{2}i - \frac{1}{9})$
9. $\frac{3}{21}(\frac{1}{1}j + \frac{2}{2})$
10. $\frac{3}{16}(\frac{1}{1}k + \frac{1}{3})$

1-10	90	80	70	60	50	40	30	20	10	0