Factoring Expressions Name:

Factor each expression completely.

1) $-\frac{8}{18}b - \frac{8}{30} =$ _____

2) $\frac{9}{49}c + \frac{9}{49} =$ _____

3) $\frac{3}{35}d - \frac{3}{14} =$ _____

4) $-\frac{6}{32}e + \frac{18}{12} =$ _____

5) $-\frac{12}{36}f + \frac{16}{48} =$ _____

6) $-\frac{12}{54}g - \frac{8}{42} =$ _____

7) $-\frac{3}{8}h + \frac{3}{24} =$ _____

8) $-\frac{4}{9}i + \frac{4}{12} =$ _____

9) $-\frac{2}{10}j + \frac{2}{15} =$ _____

10) $-\frac{2}{15}k - \frac{2}{40} =$ _____

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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

Factoring Expressions Name: **Answer Key**

Factor each expression completely.

1) $-\frac{8}{18}b - \frac{8}{30} = -\frac{8}{6}(\frac{1}{3}b + \frac{1}{5})$

2) $\frac{9}{49}c + \frac{9}{49} = \frac{9}{49}(\frac{1}{1}c + \frac{1}{1})$

3) $\frac{3}{35}d - \frac{3}{14} = \frac{3}{7}(\frac{1}{5}d - \frac{1}{2})$

4) $-\frac{6}{32}e + \frac{18}{12} = -\frac{6}{4}(\frac{1}{8}e - \frac{3}{3})$

5) $-\frac{12}{36}f + \frac{16}{48} = -\frac{4}{12}(\frac{3}{3}f - \frac{4}{4})$

6) $-\frac{12}{54}g - \frac{8}{42} = -\frac{4}{6}(\frac{3}{9}g + \frac{2}{7})$

7) $-\frac{3}{8}h + \frac{3}{24} = -\frac{3}{8}(\frac{1}{1}h - \frac{1}{3})$

8) $-\frac{4}{9}i + \frac{4}{12} = -\frac{4}{3}(\frac{1}{3}i - \frac{1}{4})$

9) $-\frac{2}{10}j + \frac{2}{15} = -\frac{2}{5}(\frac{1}{2}j - \frac{1}{3})$

10) $-\frac{2}{15}k - \frac{2}{40} = -\frac{2}{5}(\frac{1}{3}k + \frac{1}{8})$

Answers

1. $-\frac{8}{6}(\frac{1}{3}b + \frac{1}{5})$
2. $\frac{9}{49}(\frac{1}{1}c + \frac{1}{1})$
3. $\frac{3}{7}(\frac{1}{5}d - \frac{1}{2})$
4. $-\frac{6}{4}(\frac{1}{8}e - \frac{3}{3})$
5. $-\frac{4}{12}(\frac{3}{3}f - \frac{4}{4})$
6. $-\frac{4}{6}(\frac{3}{9}g + \frac{2}{7})$
7. $-\frac{3}{8}(\frac{1}{1}h - \frac{1}{3})$
8. $-\frac{4}{3}(\frac{1}{3}i - \frac{1}{4})$
9. $-\frac{2}{5}(\frac{1}{2}j - \frac{1}{3})$
10. $-\frac{2}{5}(\frac{1}{3}k + \frac{1}{8})$

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