Factoring Expressions Name:

Factor each expression completely.

1) $-\frac{3}{14}b+\frac{3}{49}$ = _____

2) $-\frac{16}{48}c-\frac{28}{18}$ = _____

3) $-\frac{12}{24}d+\frac{4}{36}$ = _____

4) $-\frac{12}{63}e+\frac{10}{14}$ = _____

5) $-\frac{4}{14}f+\frac{4}{56}$ = _____

6) $-\frac{20}{81}g+\frac{12}{72}$ = _____

7) $-\frac{20}{54}h+\frac{16}{24}$ = _____

8) $\frac{21}{64}i+\frac{6}{48}$ = _____

9) $-\frac{9}{24}j-\frac{9}{36}$ = _____

10) $-\frac{12}{54}k-\frac{9}{36}$ = _____

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) $-\frac{3}{14}b+\frac{3}{49}$ = $-\frac{3}{7}(\frac{1}{2}b-\frac{1}{7})$

2) $-\frac{16}{48}c-\frac{28}{18}$ = $-\frac{4}{6}(\frac{4}{8}c+\frac{7}{3})$

3) $-\frac{12}{24}d+\frac{4}{36}$ = $-\frac{4}{12}(\frac{3}{2}d-\frac{1}{3})$

4) $-\frac{12}{63}e+\frac{10}{14}$ = $-\frac{2}{7}(\frac{6}{9}e-\frac{5}{2})$

5) $-\frac{4}{14}f+\frac{4}{56}$ = $-\frac{4}{14}(\frac{1}{1}f-\frac{1}{4})$

6) $-\frac{20}{81}g+\frac{12}{72}$ = $-\frac{4}{9}(\frac{5}{9}g-\frac{3}{8})$

7) $-\frac{20}{54}h+\frac{16}{24}$ = $-\frac{4}{6}(\frac{5}{9}h-\frac{4}{4})$

8) $\frac{21}{64}i+\frac{6}{48}$ = $\frac{3}{16}(\frac{7}{4}i+\frac{2}{3})$

9) $-\frac{9}{24}j-\frac{9}{36}$ = $-\frac{9}{12}(\frac{1}{2}j+\frac{1}{3})$

10) $-\frac{12}{54}k-\frac{9}{36}$ = $-\frac{3}{18}(\frac{4}{3}k+\frac{3}{2})$

Answers

1. $-\frac{3}{7}(\frac{1}{2}b-\frac{1}{7})$
2. $-\frac{4}{6}(\frac{4}{8}c+\frac{7}{3})$
3. $-\frac{4}{12}(\frac{3}{2}d-\frac{1}{3})$
4. $-\frac{2}{7}(\frac{6}{9}e-\frac{5}{2})$
5. $-\frac{4}{14}(\frac{1}{1}f-\frac{1}{4})$
6. $-\frac{4}{9}(\frac{5}{9}g-\frac{3}{8})$
7. $-\frac{4}{6}(\frac{5}{9}h-\frac{4}{4})$
8. $\frac{3}{16}(\frac{7}{4}i+\frac{2}{3})$
9. $-\frac{9}{12}(\frac{1}{2}j+\frac{1}{3})$
10. $-\frac{3}{18}(\frac{4}{3}k+\frac{3}{2})$

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