

$X^2 + 10X - 24$ $\begin{array}{r} 12 \\ \times -2 \\ \hline 10 \end{array}$ $(X+12)(X-2)$ <p>* Trinomial LC=1</p>	<p>26.</p> $4(5X^2 + 8X - 4)$ $\begin{array}{r} -20 \\ \times -2 \\ \hline 8 \end{array}$ $4(X^2 + 8X - 20)$ $4(X + \frac{10}{5})(X - \frac{2}{5})$ <p>* GCF + Trinomial LC ≠ 1</p> $4(X+2)(5X-2)$	<p>27.</p> $X(3X^2 + 10X - 8)$ $\begin{array}{r} -24 \\ \times -2 \\ \hline 10 \end{array}$ $X(X^2 + 10X - 24)$ $X(X + \frac{12}{3})(X - \frac{2}{3})$ $X(X+4)(3X-2)$ <p>* GCF + Trinomial LC ≠ 1</p>
<p>28.</p> $2X^2(4X+1) - 3(4X+1)$ $(4X+1)(2X^2-3)$ <p>* Grouping</p>	<p>29.</p> $8X^7(X^4-1)$ $8X^7(X^2+1)(X^2-1)$ $8X^7(X^2+1)(X+1)(X-1)$ <p>* GCF + Diff. of Perf. ■'s x2</p>	<p>30.</p> $7(X^2 - 13X - 30)$ $\begin{array}{r} -30 \\ \times -13 \\ \hline -13 \end{array}$ $7(X-15)(X+2)$ <p>* GCF + Trinomial LC = 1</p>
<p>31.</p> $X(12X^2 - 29X - 8)$ $\begin{array}{r} -96 \\ \times -32 \\ \hline -29 \end{array}$ $X(X^2 - 29X - 96)$ $X(X + \frac{3}{3})(X - \frac{32}{3})$ <p>* GCF + Trinomial LC ≠ 1</p> $X(4X+1)(3X-8)$	<p>32.</p> $(X^3 + 2X^2)(-4X - 8)$ $X^2(X+2) - 4(X+2)$ $(X+2)(X^2-4)$ $(X+2)(X+2)(X-2)$ <p>* grouping + Diff. of Perf. ■'s x2</p>	<p>33.</p> $X^2 - 3X + \frac{9}{4}$ $\begin{array}{r} 9 \\ \times -\frac{3}{2} \\ \hline -\frac{3}{2} \end{array}$ $(X - \frac{3}{2})(X - \frac{3}{2})$ $(X - \frac{3}{2})^2$ <p>* Perfect ■ Trinomial</p>
<p>34.</p> $X^2 - 8X + 16$ $\begin{array}{r} 16 \\ \times -4 \\ \hline -8 \end{array}$ $(X-4)(X-4)$ $(X-4)^2$ <p>* Perfect ■ trinomial</p>	<p>35.</p> <p>* grouping + Diff. of Perf. ■'s</p> $X^2(3X-1) + 5(3X-1)$ $(3X-1)(X^2+5)$ <p>* Grouping</p>	<p>36.</p> $9(1 - 2X^5)$ <p>* GCF</p>
<p>37.</p> $X^2 - 49$ $(X+7)(X-7)$ <p>* Diff. of Perfect ■'s</p>	<p>38.</p> $X^2 + 14X + 48$ $\begin{array}{r} 48 \\ \times 6 \\ \hline 14 \end{array}$ $(X+6)(X+8)$ <p>* Trinomial LC = 1</p>	<p>39.</p> $16X^2 + 2X - 3$ $\begin{array}{r} -48 \\ \times 8 \\ \hline 2 \end{array}$ $X^2 + 2X - 48$ $(X - \frac{16}{16})(X + \frac{8}{16})$ $(8X-3)(2X+1)$ <p>* trinomial LC ≠ 1</p>
<p>40.</p> $36y^2 - 81z^2$ $(6y+9z)(6y-9z)$ <p>* Diff. of Perf. ■'s</p>	<p>41.</p> $X^2(5X+2) + 6(5X+2)$ $(5X+2)(X^2+6)$ <p>* grouping</p>	<p>42.</p> $X^2 - 3X - 18$ $\begin{array}{r} -18 \\ \times -3 \\ \hline -3 \end{array}$ $(X-6)(X+3)$ <p>* Trinomial LC = 1</p>