

2128 LVS etc.

6	2103, 2104, 2107, 2108, 2109, 2110, 2115, 2116, 2117, 2118, 2119, 2122	2111, 2112, 2124, 2125
7	2128, 2129, 2130, 2138, 2139, 2140, 2141, 2143, 2144, 2146, 2148	2133, 2145, 2147
8	2202, 2203, 2204, 2205, 2206, 2207, 2225, 2226, 2227, 2227, 2228, 2229	2208, 2209,
9	2231, 2232, 2241, 2242, 2243, 2244, 2245, 2246, 2247	2233, 2234, 2235, 2236, 2248
10	2251, 2252, 2254, 2255, 2256, 2257, 2258, 2260, 2261	
11	2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275	2276, 2277
12		

$$a) (x-1)^2 = (2x+1)(x+1) - (x+3)^2$$

$$x^2 - 2x + 1 = (2x^2 + 2x + x + 1) - (x^2 + 6x + 9)$$

$$x^2 - 2x + 1 = x^2 - 3x - 8$$

$$-2x + 3x = -8 - 1$$

$$x = -9$$

(2128) b)  $9(x+1)^2 = (3x-3)^2$

$9(x^2+2x+1) = 9x^2 - 18x + 9$

~~$9(x^2+2x+1) = 9(x^2-2x+1)$~~

$2x = -2x$

$2x + 2x = 0$

$4x = 0$

$x = 0$

6	2103, 2104, 2107, 2108, 2109, 2110, 2115, 2116, 2117, 2118, 2119, 2122	2111, 2112, 2124, 2125
7	2128, 2129, 2130, 2138, 2139, 2140, 2141, 2143, 2144, 2146, 2148	2133, 2145, 2147
8	2202, 2203, 2204, 2205, 2206, 2207, 2225, 2226, 2227, 2227, 2228, 2229	2208, 2209,
9	2231, 2232, 2241, 2242, 2243, 2244, 2245, 2246, 2247	2233, 2234, 2235, 2236, 2248
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11	2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275	2276, 2277
12		

VL:  $9(0+1)^2 = 9 \cdot 1 = 9$

HL:  $(3 \cdot 0 - 3)^2 = (-3)^2 = 9$

VSU

6	2103, 2104, 2107, 2108, 2109, 2110, 2115, 2116, 2117, 2118, 2119, 2122	2071, 2072, 2111, 2112, 2124, 2125
7	2128, 2129, 2130, 2138, 2139, 2140, 2141, 2143, 2144, 2146, 2148	2133, 2145, 2147
8	2202, 2203, 2204, 2205, 2206, 2207, 2225, 2226, 2227, 2227, 2228, 2229	2208, 2209,
9	2231, 2232, 2241, 2242, 2243, 2244, 2245, 2246, 2247	2233, 2234, 2235, 2236, 2248
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7	2128, 2129, 2130, 2138, 2139, 2140, 2141, 2143, 2144, 2146, 2148	2133, 2145, 2147
8	2202, 2203, 2204, 2205, 2206, 2207, 2225, 2226, 2227, 2227, 2228, 2229	2208, 2209,
9	2231, 2232, 2241, 2242, 2243, 2244, 2245, 2246, 2247	2233, 2234, 2235, 2236, 2248
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6		2103, 2104, 2107, 2108, 2109, 2110, 2115, 2116, 2117, 2118, 2119, 2122	2071, 2072 2111, 2112, 2124, 2125
7		2128, 2129, 2130, 2138, 2139, 2140, 2141, 2143, 2144, 2146, 2148	2133, 2145, 2147
8		2202, 2203, 2204, 2205, 2206, 2207, 2225, 2226, 2227, 2227, 2228, 2229	2208, 2209,
9		2231, 2232, 2241, 2242, 2243, 2244, 2245, 2246, 2247	2233, 2234, 2235, 2236, 2248
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