INTERGALACTIC INTEGERS - LEVEL 2

Contained in each block is a letter along with its assigned value. Sum the values of the letters of each word into their total numerical value. Perform the designated operations to find a total value for the terms in each problem.

Example: radio - wave = (8+12-13-1+10) - (2+12+6+1) = -5

12 a	1 b	-2 s	6 v	-5 p	-9 z	0 h
-1 i	-3 m	5 u	-8 j	7 g	-4 -	3 q
2 w	13 y	-6 e	*	9 k	-12 t	-13 d
-10 f	-7 n	11 x	10 o	-11 c	8 r	4 l

1. star - dust = ?
2. gravity - neutron = ?
3. gamma-ray + X-ray = ?
4. light - hole = ?
5. quasar - galaxy = ?
6. universe + remnant = ?
7. light-year + mass = ?
8. jets - gas = ?
9. binary + matter + orbit = ?
10. black - dense - radio = ?

CHALLENGE: (Spaces between words have no value.)

1. Active Galactic Nuclei - event horizon = ?
2. companion star + Schwarzschild radius = ?
3. escape velocity - accretion disk = ?
4. supermassive black hole - stellar black hole = ?
5. gravitational pull + electromagnetic spectrum = ?